

 $\frac{64}{3} \left[0 \right]_0^{21} = \frac{12811}{3} \times 2 \quad \text{for entire}$

Find volume below
$$\frac{2}{2} = 32 - 9x^2 - 2x^2$$
 vertex $(0,0,32)$

Obove xy plane

 $V = \int_{D}^{2\pi} 32 \cdot 2x^2 - 2y^2 dA$
 $0 \le r \le 4$
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